

Horse TFPI (Tissue factor pathway inhibitor) ELISA Kit | TFPI elisa kit

Horse TFPI (Tissue factor pathway inhibitor)

CATALOG #
AAA102627

REACTIVITY
Horse

PRODUCT SYNONYMS

TFPI (Tissue factor pathway inhibitor); Horse TFPI (Tissue factor pathway inhibitor); TFPI (Tissue Factor Pathway Inhibitor)/EPI/LACI/TFI/TFPI1/lipoprotein-associated coagulation inhibitor; TFPI elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Horse
Specificity	This assay has high sensitivity and excellent specificity for detection of TFPI . No significant cross-reactivity or interference between TFPI and analogues was observed.
Sequence Length	304
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	0.156-10ng/ml
Sensitivity	0.094ng/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level TFPI were tested 20 times on one plate, respectively. Intra-Assay: CV<8%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level TFPI were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<10%
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES

Typical Data & Standard Curve

Results of a typical standard run of a TFPI ELISA Kit are shown below. This standard curve was generated at our lab for demonstration purpose only. Each user should obtain their own standard curve as per experiment. (N/A-not applicable)

X	ng/ml	0	0.156	0.312	0.625	1.25	2.5	5	10
Y	OD450	0.056	0.123	0.161	0.269	0.484	0.775	1.4	2.165

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for TFPI elisa kit

Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-TFPI antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-TFPI antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and wash with wash buffer. HRP-Streptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the TFPI amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of TFPI can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	303324582
NCBI GeneID	613026
NCBI Accession #	NP_001181951.1
NCBI GenBank Nucleotide #	NM_001195022.1
Molecular Weight	35,085 Da
NCBI Official Full Name	tissue factor pathway inhibitor
NCBI Official Symbol	TFPI
NCBI Official Synonym Symbols	EPI; LACI
NCBI Protein Information	tissue factor pathway inhibitor
UniProt Protein Name	Tissue factor pathway inhibitor
UniProt Gene Name	TFPI
UniProt Synonym Gene Names	TFPI1; TFPI; EPI; LACI
UniProt Entry Name	TFPI1_MACMU

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/horse-elisa-kits/tfpi-tissue-factor-pathway-inhibitor/102627>